

PARTIALLY ORIENTED POLYESTER YARN

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Inventor(s): FUJIMOTO KATSUHIRO;; KATO JINICHIRO

Applicant(s): ASAHI KASEI CORP

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Abstract

PROBLEM TO BE SOLVED: To provide a PTT-POY(poly (trimethylene terephthalate)-partially oriented yarn) which can Industrially be produced by controlling the generation of tight winding and bulge and can industrially stably give a high grade false-twisted yarn free from dyeing irregularity and so on without fuzzing and breaking the yarn.

SOLUTION: This PTT-POY has a high elongation and a low relaxation shrinkage and has no irregularity of yarn diameter and structure. The method for producing the PTT-POY is characterized by employing a special spinning method which comprises winding up the yarn at a specific contact pressure and at a specified leasing angle, thereby lowering the temperature of the wound yarn at the winding time and winding up the yarn at a low winding tension without damaging the wound yarn.

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